

RECLAMATION SURETY ESTIMATE					Note
IMM - Dworkin		last revision		02/08/02	
Yellow Hammer/Clifton - IP Project - Kiewit					
M/045/019	E/045/052	Tooele County			
Prepared by Utah State Division of Oil, Gas & Mining					
-This estimate uses a D8 size dozer for most earthwork					
-This site has been recountoured and seeded - bond calculated for revegetation success only					
Note: actual unit costs may vary according to site conditions					
			last unit cost update	2-Aug-00	
-Amount of disturbed area which will receive reclamation treatments =			8.6 acres		
-Estimated total disturbed area for this mine =			8.6 acres		
Activity	Quantity	Units	\$/unit	\$	
Ripping recontoured areas prior to reseeding	8.6 acre		234	2012	
Mulching (2 ton/acre alfalfa)	0 acre		160	0 (00)	
Fertilizing (100 lb/acre diammonium phosphate)	0 acre		90	0 (00)	
Composted manure (10 ton/acre)	8.6 acre		300	2580 (00)	
Broadcast seeding	8.6 acre		225	1935 (00)	
Drill seeding	0 acre		205	0 (00)	
Hydroseeding	0 acre		800	0 (00)	
General site cleanup & trash removal	0 acre		50	0 (00)	
Equipment mobilization	1 equip		1000	1000 (00)	
	Subtotal			7,527	
10% Contingency				753	
	Subtotal			8,280	
Escalate for 3 years at 3.12% per yr				799	
	Total			\$9,080	
Rounded surety amount in yr 2005-\$				\$9,100	
Average cost per disturbed acre =		\$1,058			

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